



Low Profile JCASE®  
Cartridge Fuses

## Low Profile JCASE® Cartridge Fuses Rated 58V

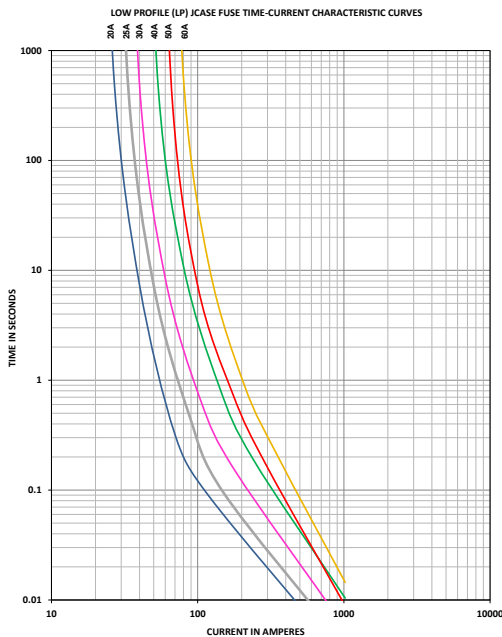
The Low Profile JCASE® fuse has similar performance characteristics as the standard JCASE® fuse. The lower overall height reduction allows for more space and weight savings and also allows for a shorter male blade terminal, saving additional weight and material savings in fuse box designs.

### Specifications

|                                        |                                                                                                              |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Voltage Rating:                        | 58 VDC                                                                                                       |
| Interrupting Rating:                   | 1000A @ 58 VDC                                                                                               |
| Recommended Environmental Temperature: | -40°C to + 125°C                                                                                             |
| Housing Material:                      | PA66-GF13 (U.L. 94 Flammability rating – HB)                                                                 |
| Cover Material:                        | PSU (U.L. 94 Flammability rating – HB)                                                                       |
| New Weight Per Fuse:                   | 2.4g ±10%                                                                                                    |
| Insertion Force:                       | 53N Max. (12 lb.)                                                                                            |
| Extraction Force:                      | 9N Min (2 lb.)                                                                                               |
| Complies With:                         | SAE 2741 and ISO 8820-4 except for the life test –<br>LF specification is 100-hours at 100% of rated current |

**RoHS**

### Time-Current Characteristic Curves



### Ordering Information

| Part Number | Rating  | Package Size |
|-------------|---------|--------------|
| 0895xxx.Z   | 20 - 60 | 2000         |
| 0895xxx.U   | 20 - 60 | 500          |
| 0895xxx.T   | 20 - 60 | 10           |

### Time-Current Characteristics

| % of Rating | Opening Time Min / Max (s) |
|-------------|----------------------------|
| 100         | 360,000 / ∞                |
| 135         | 60 / 1800                  |
| 200         | 4 / 60                     |
| 350         | 0.2 / 7                    |
| 600         | 0.04 / 1                   |

### Ratings

| Part Number | Current Rating (A) | Housing Material Color | Test Cable Size (mm²) | Typ. Voltage Drop (mV) | Typ. Cold Resistance (mΩ) | Typ. I²t (A²s) |
|-------------|--------------------|------------------------|-----------------------|------------------------|---------------------------|----------------|
| 0895020_    | 20                 | Blue                   | 4                     | 104                    | 4.48                      | 400            |
| 0895025_    | 25                 | White                  | 4                     | 113                    | 3.39                      | 680            |
| 0895030_    | 30                 | Pink                   | 4                     | 107                    | 2.68                      | 1,800          |
| 0895040_    | 40                 | Green                  | 4                     | 102                    | 1.89                      | 5,500          |
| 0895050_    | 50                 | Red                    | 6                     | 96                     | 1.08                      | 4,900          |
| 0895060_    | 60                 | Yellow                 | 6                     | 96                     | 0.83                      | 9,600          |

The typical I²t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.

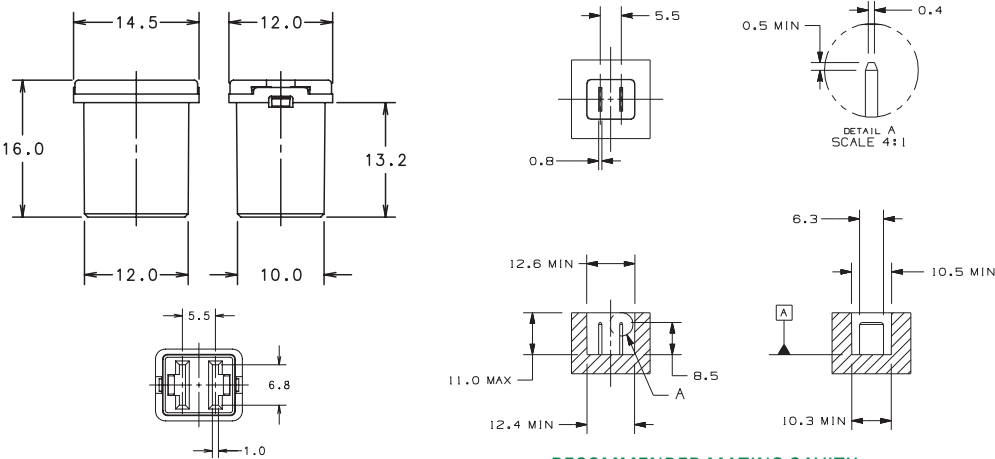
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### Dimensions

Dimensions in mm for reference only. See outline drawing for dimensions and tolerances.



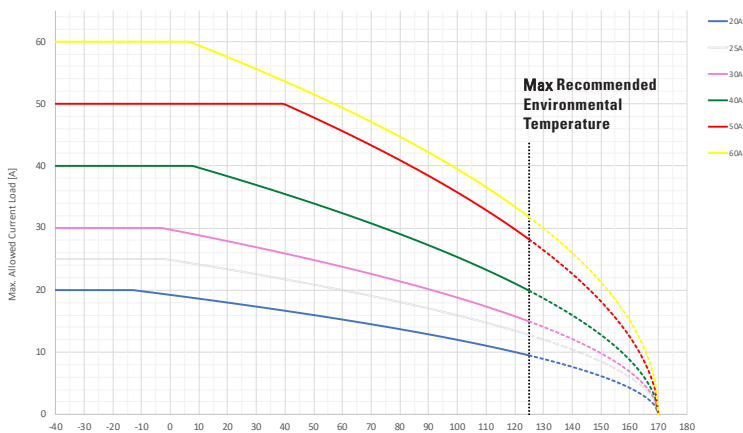
### RECOMMENDED MATING CAVITY

(Please refer to the OL drawing for further details)

### Typical Derating of Fuse Melting Element

Temperature Security Margin is 20%

Please Contact Littelfuse® for Details Regarding Derating Test Set-Up



### Temperature Table

|     | max. allowed current load [A] at ambient temperature (typical derating) |     |      |      |      |       |       |
|-----|-------------------------------------------------------------------------|-----|------|------|------|-------|-------|
|     | -40°C                                                                   | 0°C | 20°C | 65°C | 85°C | 110°C | 125°C |
| 20A | 20                                                                      | 19  | 18   | 15   | 13   | 11    | 9     |
| 25A | 25                                                                      | 25  | 23   | 20   | 18   | 15    | 13    |
| 30A | 30                                                                      | 30  | 28   | 23   | 21   | 17    | 15    |
| 40A | 40                                                                      | 40  | 38   | 32   | 28   | 23    | 20    |
| 50A | 50                                                                      | 50  | 50   | 44   | 40   | 33    | 28    |
| 60A | 60                                                                      | 60  | 58   | 48   | 43   | 37    | 32    |

Derating curves may change depending on the final condition of the application (terminals characteristics, wire size etc.). Please ask Littelfuse for more information.

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